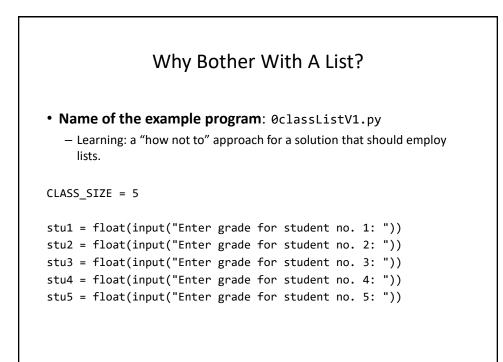
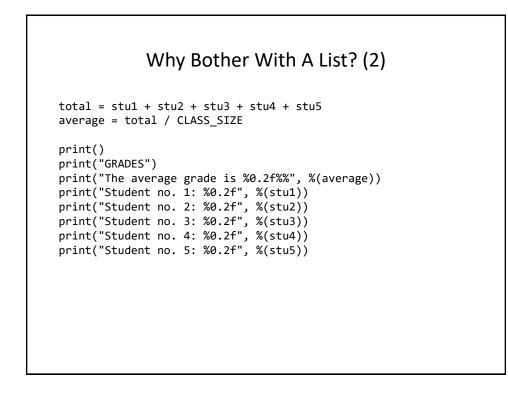
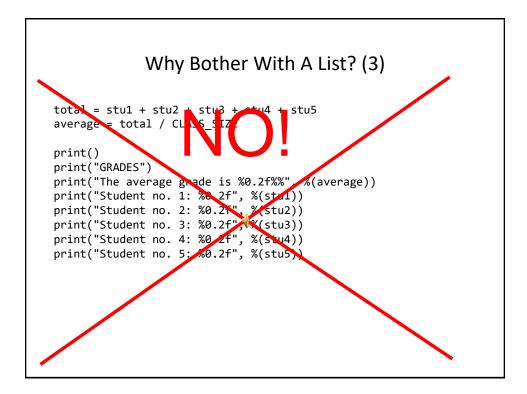


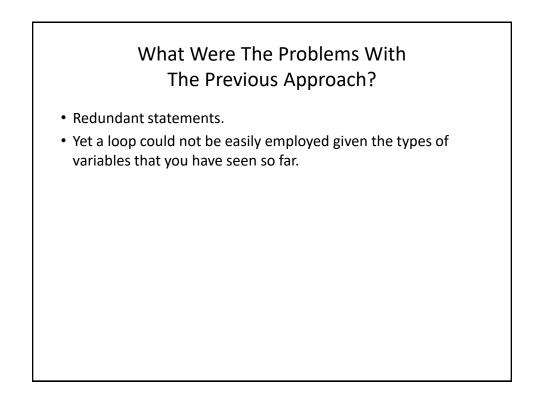
## Example Problem

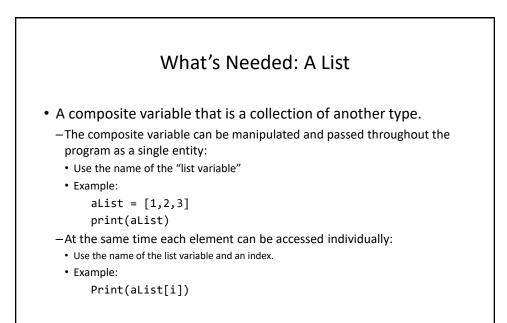
• Write a program that will track the percentage grades for a class of students. The program should allow the user to enter the grade for each student. Then it will display the grades for the whole class along with the average.

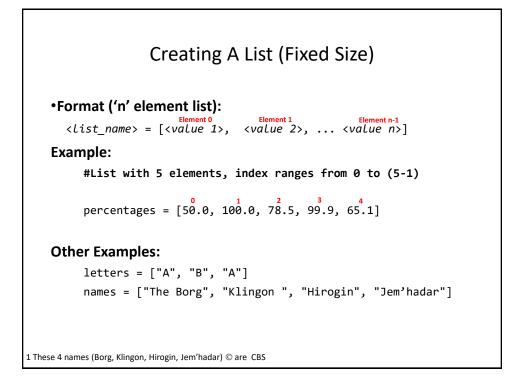


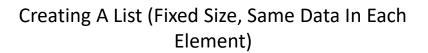






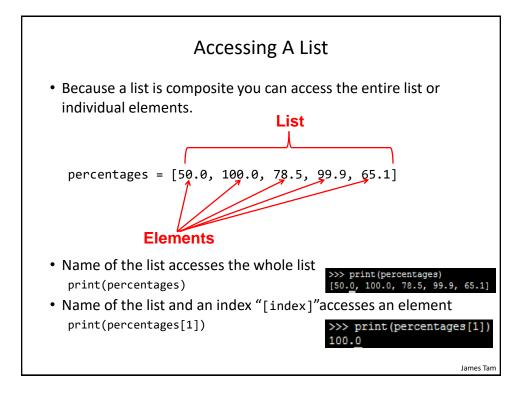


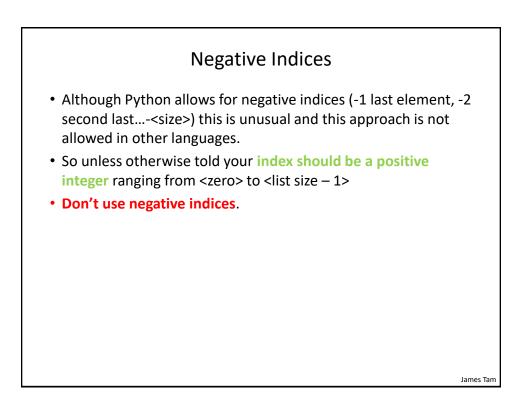


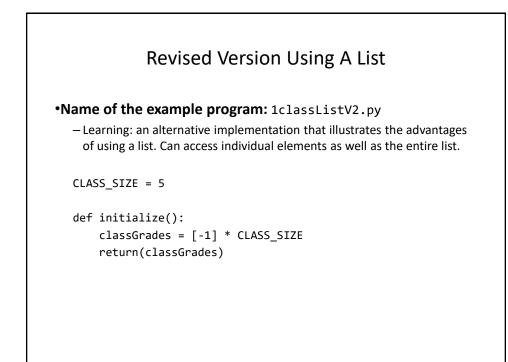


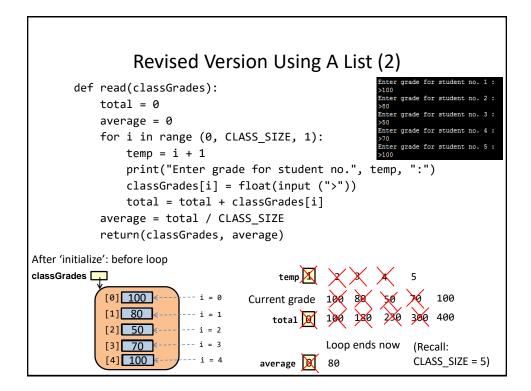
```
•Format ('n' element list, n >= 1):
    <list_name> = [<element data>] * <n>
Examples:
    aList1 = [" "] * 7

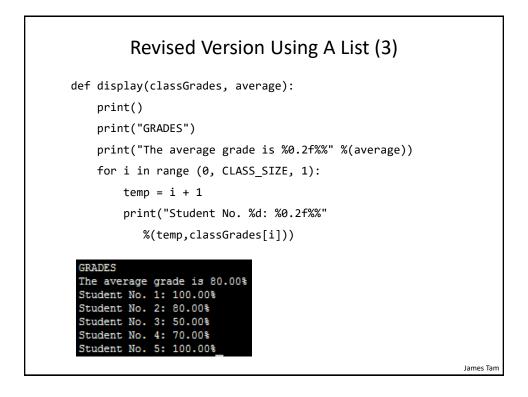
    # Assume the constant has been declared
    aList2 = [-1] * NUMBER_ELEMENTS
```

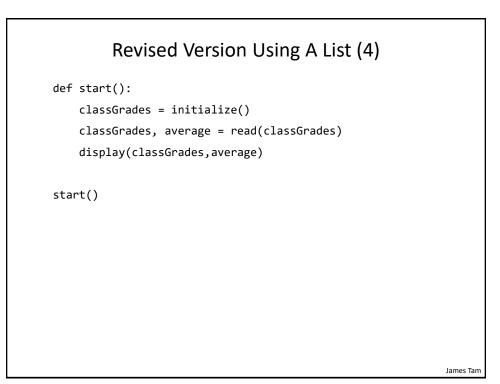


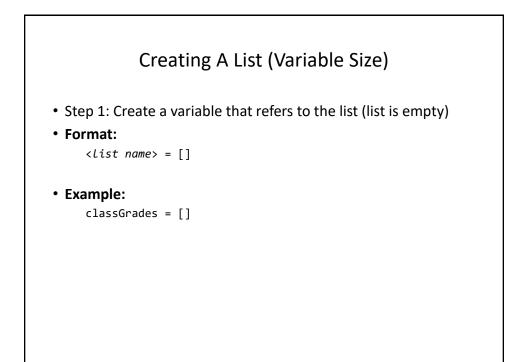


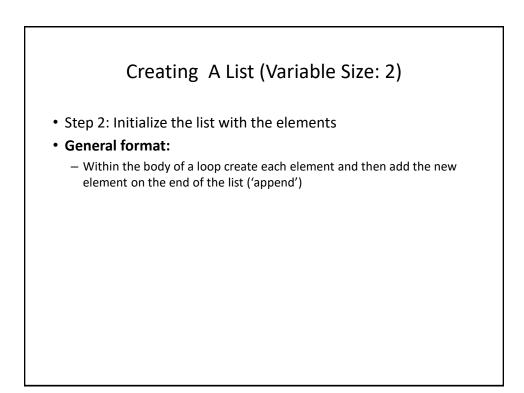


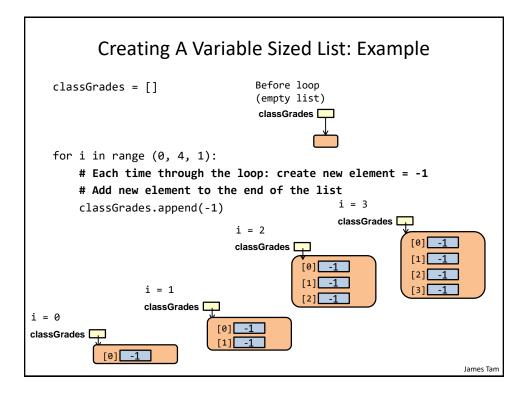


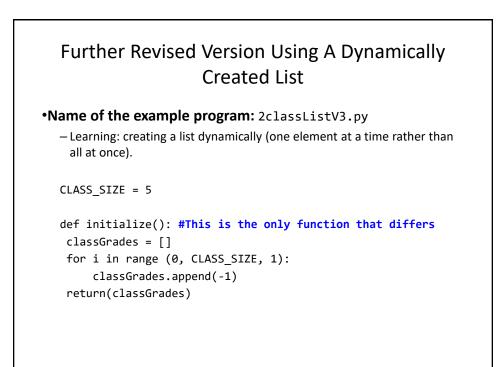


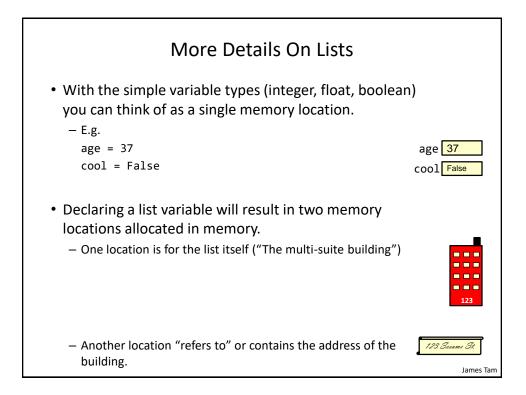


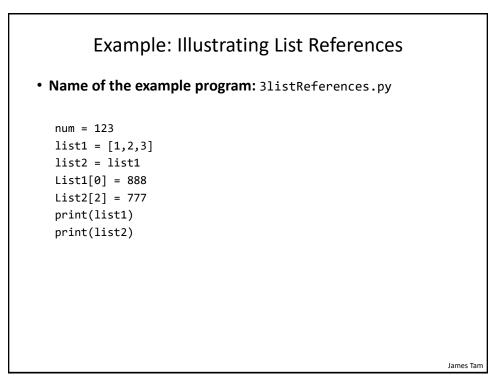


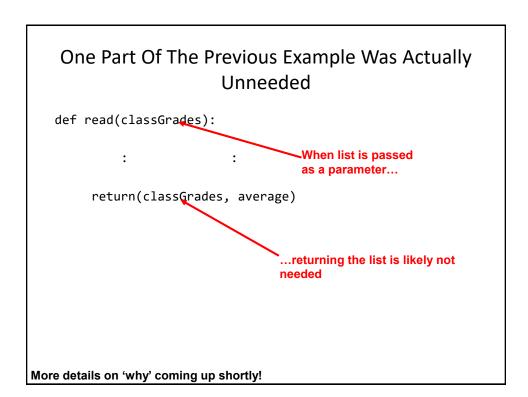


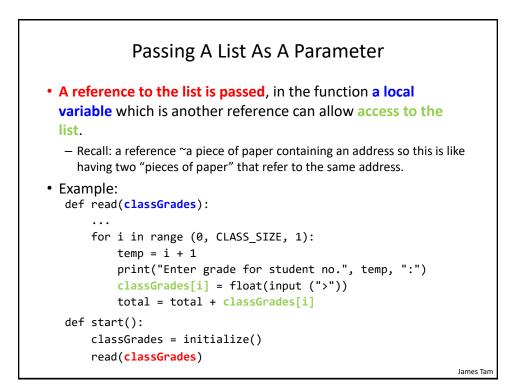


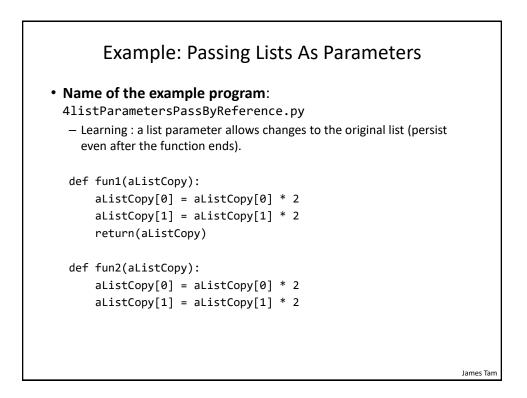


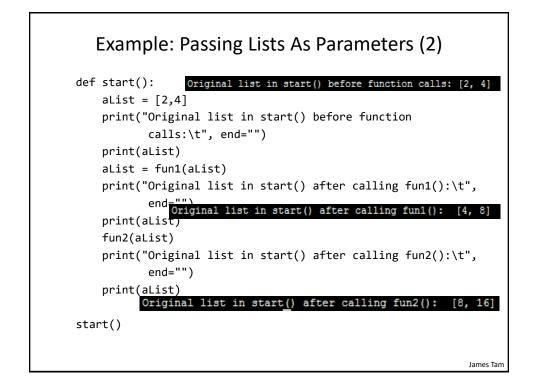


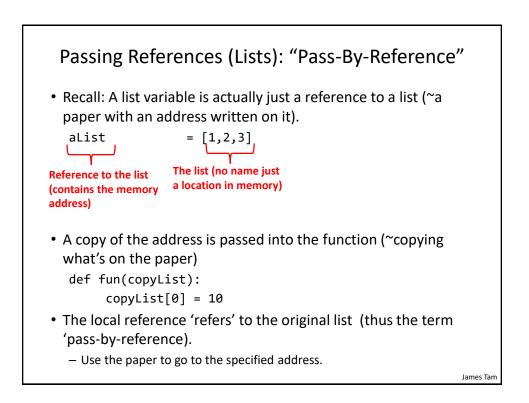


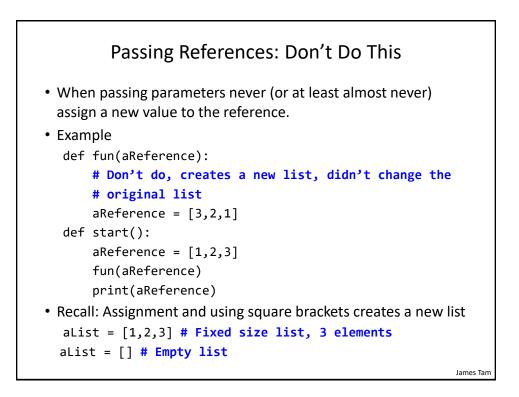


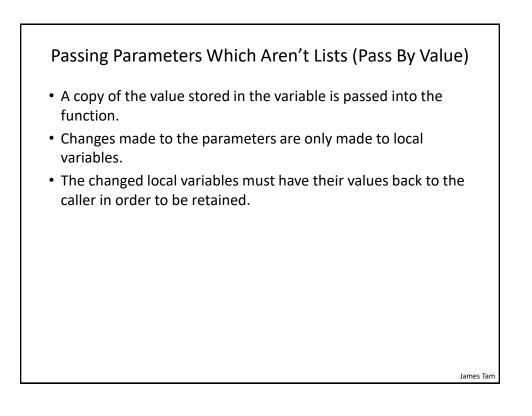


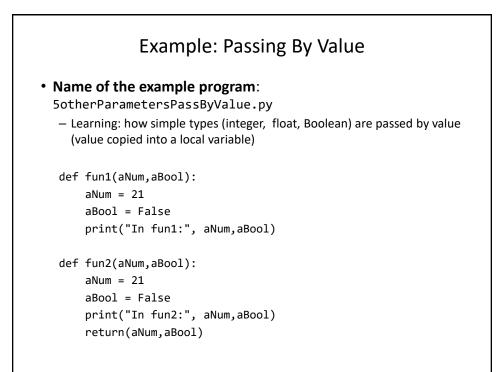


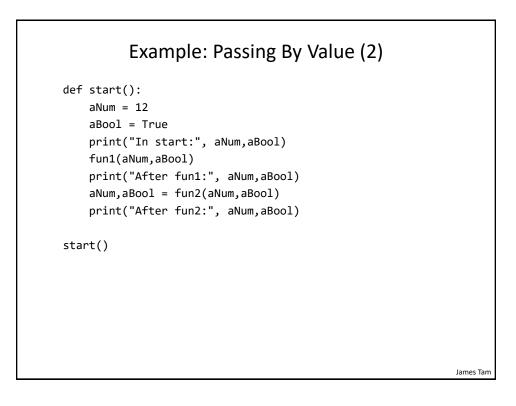


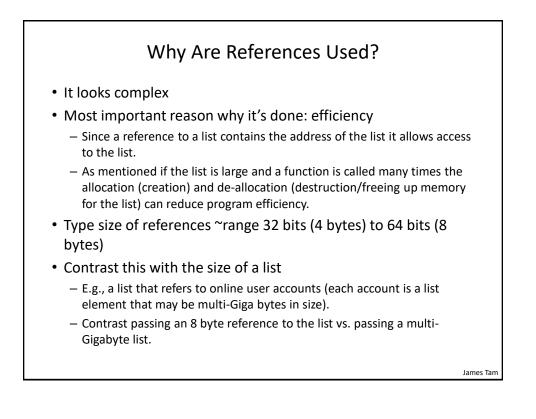












```
"Simulation": What If A List And Not A List Reference
Passed: Creating A New List Each Function Call
"And the speed difference between passing by value
vs. passing by reference (simulated pass by value)
ONE_HUNDRED_MILLION = 10000000
def fun(i):
    print("Number of times function has been called #%d"
       %(i))
    aList = ["*"] * ONE_HUNDRED_MILLION
def start():
    for i in range (0,ONE_HUNDRED_MILLION,1):
       fun(i)
start()
```

